

2025 RELEASE UNDER E.O. 14176

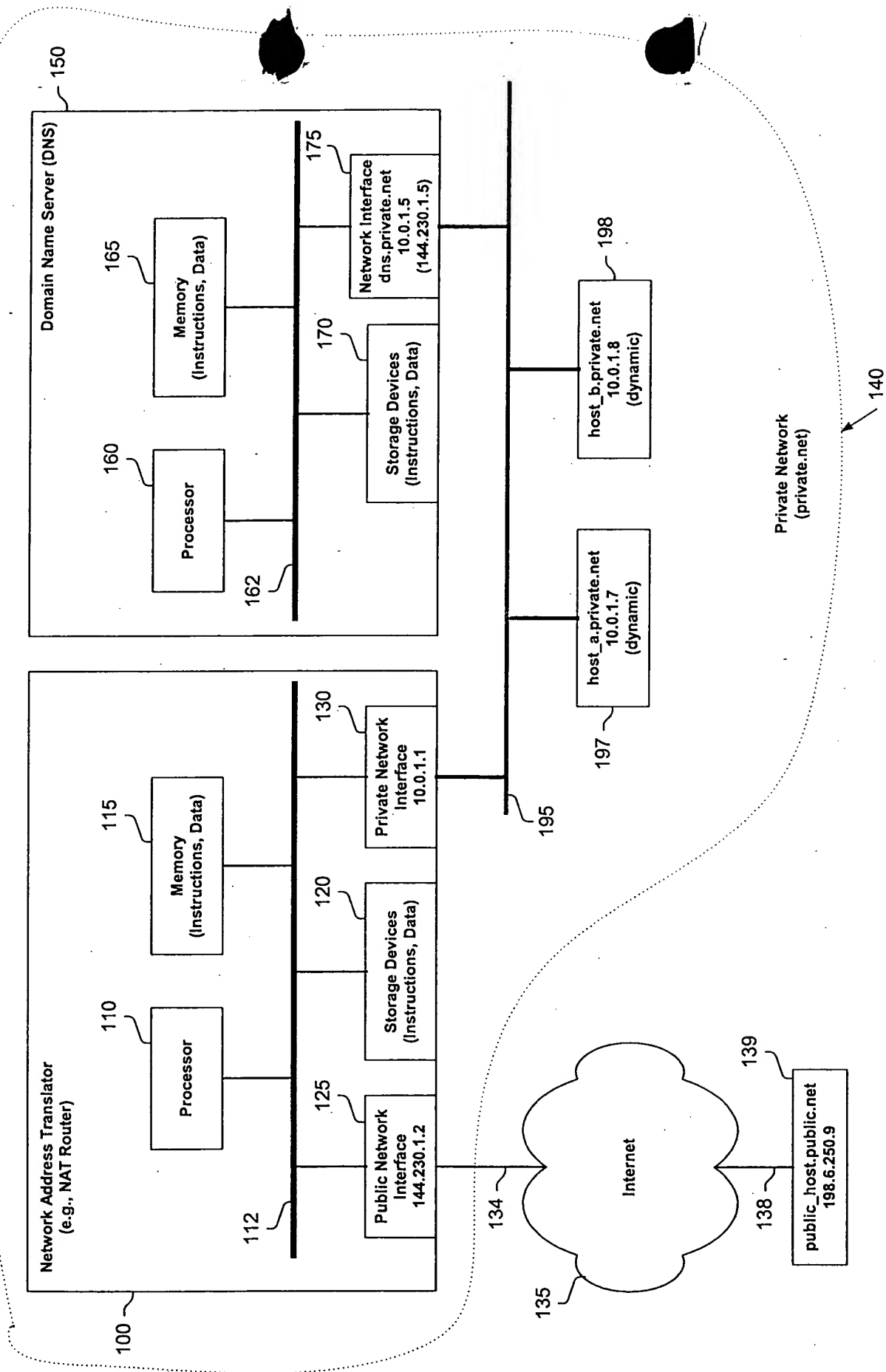


Fig. 1 - Operating Environment

Address Data
Structure 200

201 ↓ <u>Hostname</u>	202 ↓ <u>Private IP Address</u>	203 ↓ <u>Public IP Address</u>	204 ↓ <u>Lease Time</u>	
dns.private.net	10.0.1.5	144.230.1.5	Permanent	← 210
host_a.private.net	10.0.1.7	144.230.1.10	1 hour	← 220
host_b.private.net	10.0.1.8			← 230

Fig. 2A - Address Data Structure

Address Data
Structure 250

<u>Hostname</u>	<u>Private IP Address</u>	<u>Public IP Address</u>	<u>Lease Time</u>	
dns.private.net	10.0.1.5	144.230.1.5	Permanent	
host_a.private.net	10.0.1.7	144.230.1.10	1 hour	
host_b.private.net	10.0.1.8	144.230.1.13	15 Minutes	← 260

Fig. 2B - Updated Address Data Structure

DocId: 36363636

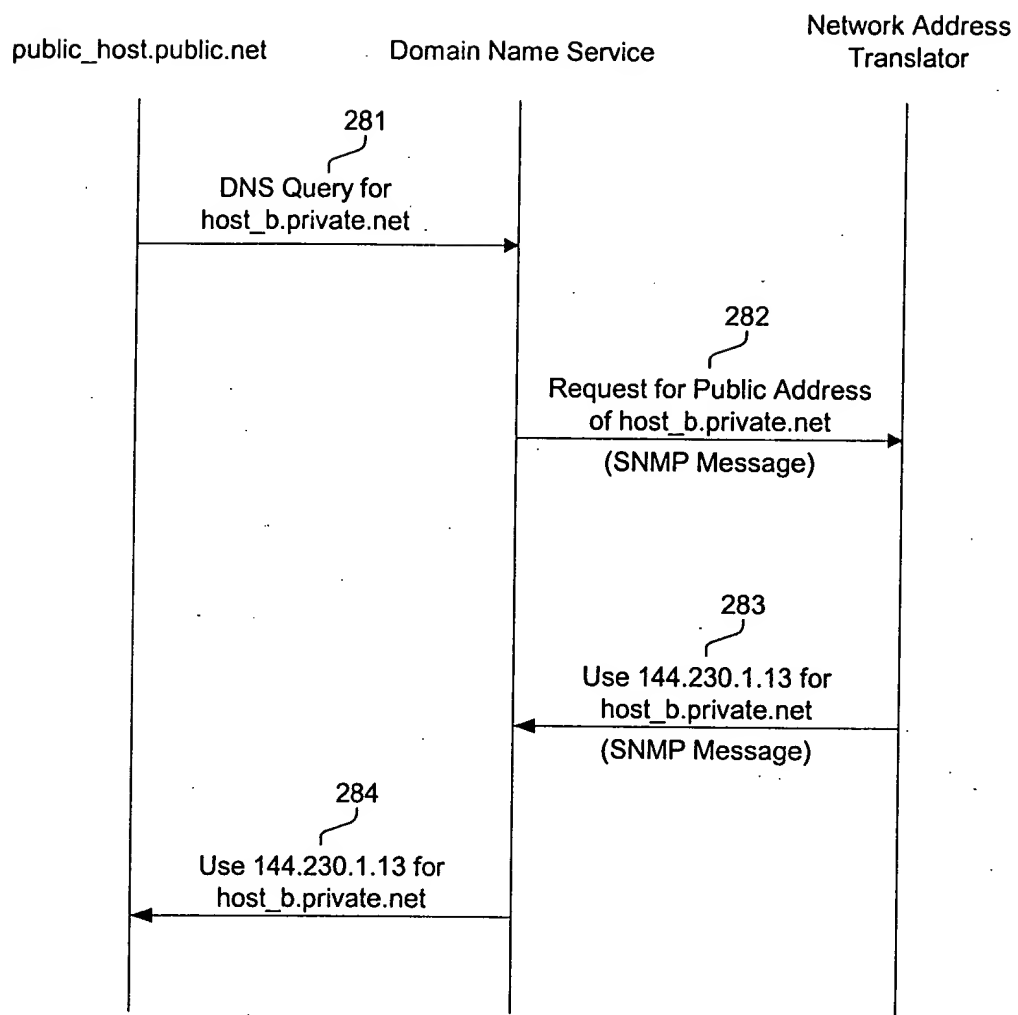
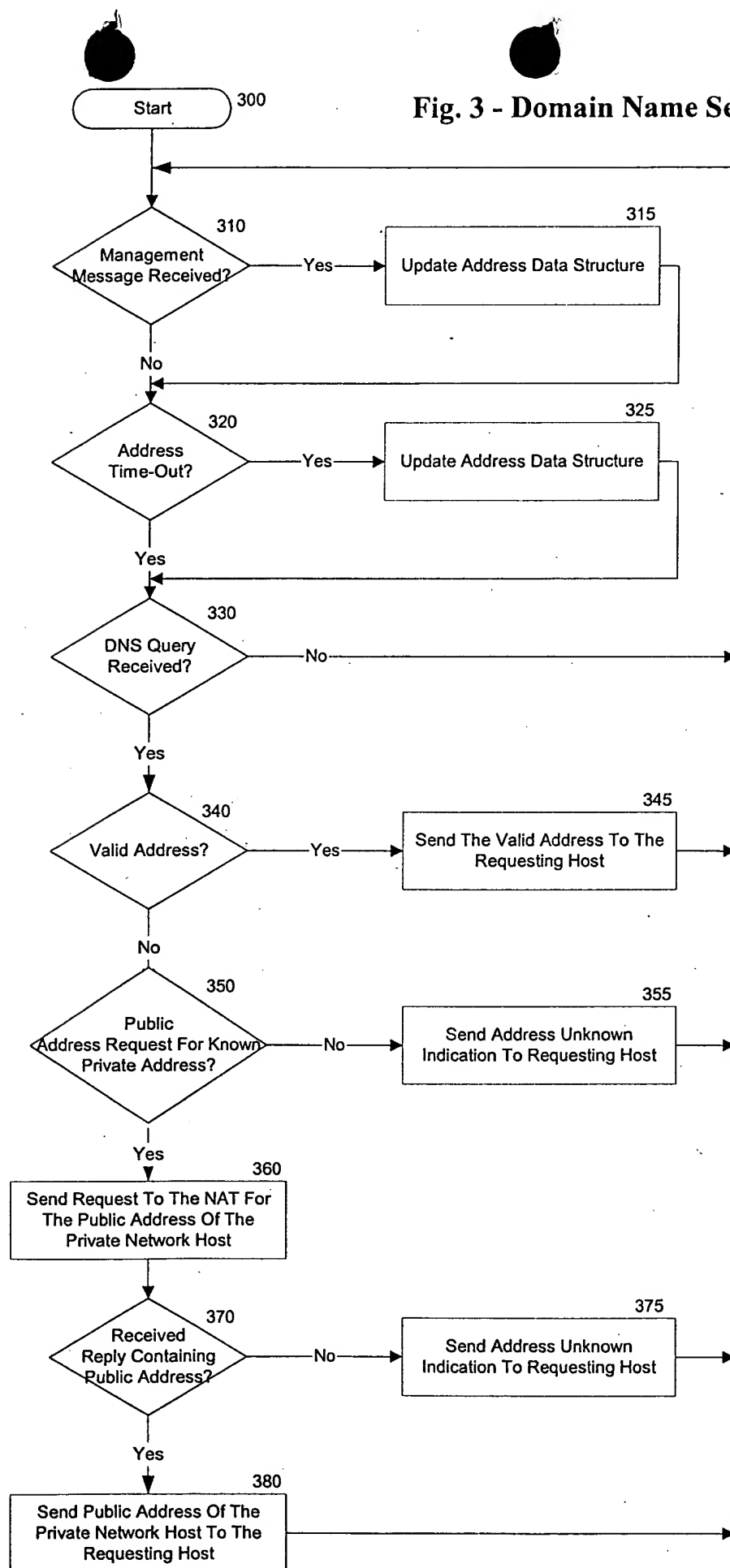


Fig. 2C - Public Network Address Request

Fig. 3 - Domain Name Server



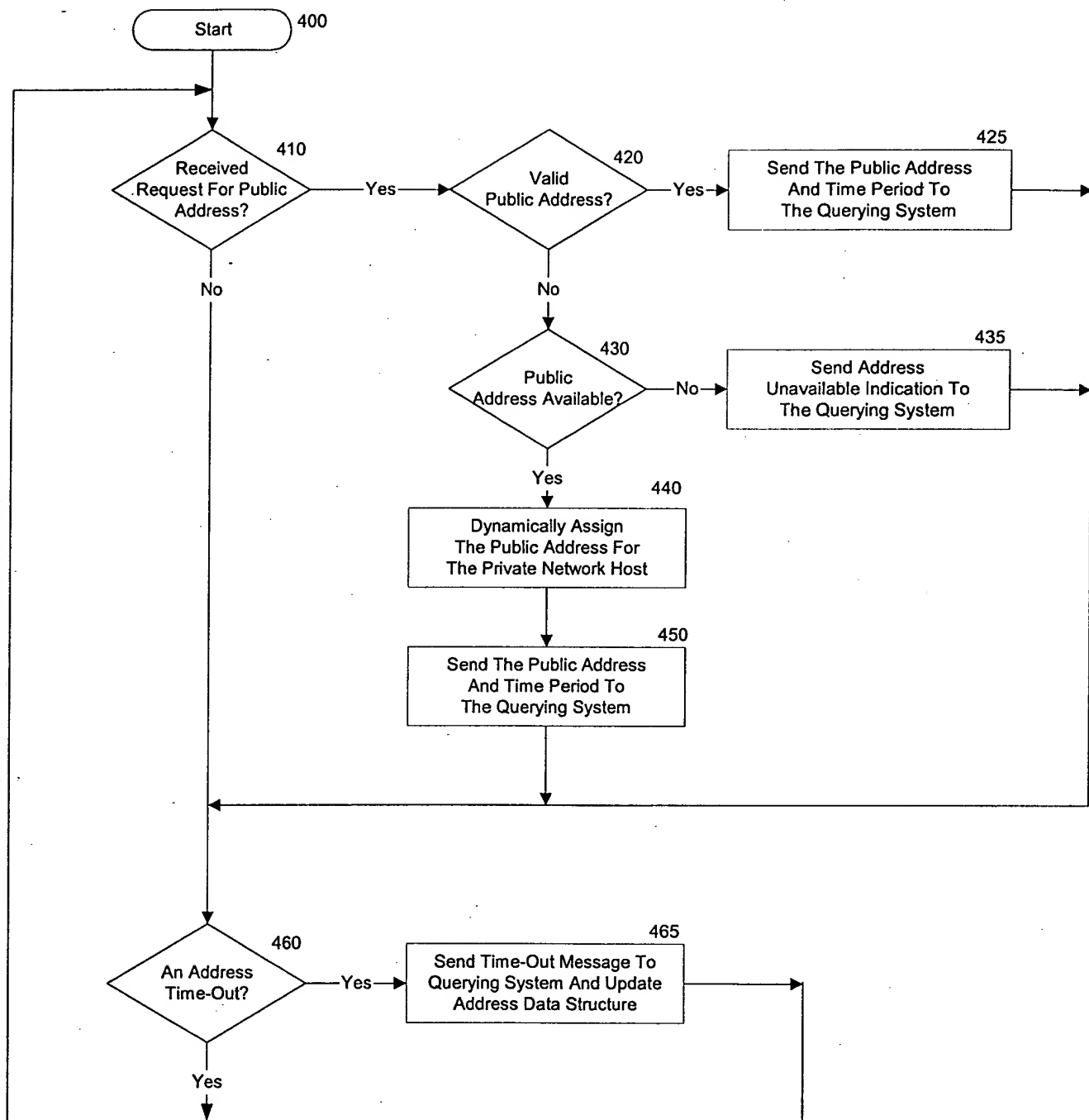


Fig. 4 - Network Address Translator